



**Air Quality Permit Application Form  
Title V (Part 70) Operating Permit**

**General Information Form  
And  
Certification of Applicant Form**

**SEND ALL MATERIALS TO:**

SD Department of Environment and Natural Resources  
Air Quality Program  
523 East Capitol  
Pierre, South Dakota 57501-3181

(Please complete shaded areas - if you have questions call (605) 773-3151)

**A. GENERAL INFORMATION**

If permit is being renewed or amended, give existing permit number:	28.0801-29
1. Facility name:	Big Stone Power Plant
2. Mailing address:	
Street and/or box number	215 South Cascade Street
City, state, zip code	Fergus Falls, MN 56537
3. Facility location (if plant is portable, enter location at time of submittal):	
Street and city	Big Stone City
Legal description and county	Grant County
<b>(Quarter, Section, Township, Range)</b>	
4. Permit contact:	
Name/title	Terry Graumann, Manager Environmental Engineering
Telephone number	218-739-8407
5. Facility contact, if different than permit contact (Person to contact for arranging inspections):	
Name/title	
Telephone number	
6. Responsible official:	
Name/title	Terry Graumann, Manager Environmental Engineering
Telephone number	218-739-8407

**A responsible official is defined as a president, vice president, secretary, or treasurer for a corporation; general partner or the proprietor for a partnership; and principal executive officer or ranking elected official for municipal, state, federal or public agency.**

## B. PLANT DESCRIPTION

1. Standard Industrial Classification Code (SIC code):

Primary SIC code:

Secondary SIC code (if applicable):

**Please contact the Department if unable to determine your SIC code.**

2. Briefly describe the operations at the facility, including raw materials and finished products:

Coal Power Plant. The plant is used to produce electricity.

**Please attach one copy, if available, of any prepared plans and the manufacturer's specifications of any equipment, including pollution control devices. If additional space is needed to describe operations, please attach the additional paper to this application.**

3. A **new source or modification to an existing source** is required to demonstrate that the operation of the new source or modification will not prevent or interfere with the attainment or maintenance of an applicable ambient air quality standard. Please attach air dispersion modeling or other documents that will demonstrate the new source or modification will not prevent or interfere with the attainment or maintenance of an applicable ambient air quality standard.

Has air dispersion modeling been conducted (please check one)? ☒ X Yes ☐ No

**If air dispersion modeling has been conducted, please attach a copy of the report to this application unless the Department has a copy already.**

## C. COMPLIANCE PLAN

If it is anticipated that a permitted unit will not be operating in compliance at the time of permit issuance, a proposed compliance plan shall be included with the application. The proposed compliance plan shall include a narrative description of the following:

1. The requirements (i.e., statutes, air quality rules, permit conditions, etc.) the source is not in compliance with at the time of submittal of this application or permit issuance;
2. How the facility intends to bring the unit(s) into compliance; and
3. A compliance schedule for when the source will achieve compliance with such requirements;

The compliance schedule must include a statement that progress reports will be submitted at least once every six months and must be at least as stringent as that contained in any judicial consent decree or administrative order to which the applicant is subject.

## D. MAPS

**For stationary sources only**, please enclose a map or a drawing showing roadways, location of plant and the nearest residents in each direction from the source. Include other structures, which may be affected.

## E. AIR QUALITY EMISSIONS SUMMARY

If air quality emissions are available, please complete the following table:

	Actual	Potential Controlled	Potential Uncontrolled
Pollutant	(tons per year)	(tons per year)	(tons per year)
Particulate	See Attached		
Sulfur Dioxide			
Nitrogen Oxide			
Carbon Monoxide			
Volatile Organic Compounds			
Hazardous Air Pollutants (if applicable)			

Remember that potential emissions are calculated assuming that the permitted unit is operated 24 hours per day, 7 days per week, 52 weeks per year at maximum design capacity. Attach all calculations, MSDS sheets for all products containing volatile organic compounds and/or hazardous air pollutants, and other supporting documentation.

**Please contact the Department if assistance is needed for calculating emissions for the permitted units such as emission factors, clarifying what potential emissions are, efficiency for control equipment, etc.**

## F. ADDITIONAL FORMS

The following forms must be completed for each piece of specific equipment at the facility and submitted with this form:

Boiler  
Miscellaneous Process

Incinerator  
Paint Booth

Kiln Dryer  
Storage Tank

The following forms must be completed for each piece of specific air control equipment at the facility and submitted with this form:

Baghouse  
Miscellaneous Control

Cyclone  
Thermo Oxidizer

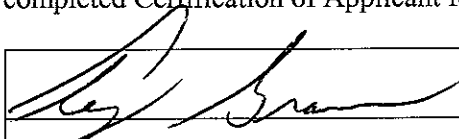
Electrostatic Precipitator  
Wet Scrubber

## G. CERTIFICATION OF COMPLIANCE

I certify the following:

1. The methods such as monitoring, record keeping, reporting, and stack test performance results described within this application shall be used to determine continuous or intermittent compliance;
2. A compliance certification document will be submitted to the Department at least annually or at other times designated by the Department for the duration of the permit;
3. The source is in compliance and will continue to demonstrate compliance with all applicable requirements, except for those designated in the attached compliance plan (if applicable); and
4. This application is submitted in accordance with the provisions of the South Dakota Codified Laws 34A-1 and Administrative Rules of South Dakota 74:36. To the best of my knowledge, after reasonable inquiry, the statements and information contained in the application and supporting documents are true, accurate, and complete. In accordance with South Dakota Codified Laws 1-40-27, I have also enclosed a completed Certification of Applicant form.

Signature:



7/20/2005

Print Name:

Terry Graumann

Date

Responsible Official



## CERTIFICATION OF APPLICANT

(please complete shaded areas - if you have questions call (605) 773-3151)

In the Matter of the Application of	Big Stone Power Plant
<b>(Facility Name)</b>	
State of	South Dakota
County of	Grant

I, Terry Graumann, the applicant in the above matter after being duly sworn upon oath hereby certify the following information in regard to this application:

South Dakota Codified Laws Section 1-40-27 provides:

*"The secretary may reject an application for any permit filed pursuant to Titles 34A or 45, including any application by any concentrated swine feeding operation for authorization to operate under a general permit, upon making a specific finding that:*

*(1) The applicant is unsuited or unqualified to perform the obligations of a permit holder based upon a finding that the applicant, any officer, director, partner or resident general manager of the facility for which application has been made:*

*(a) Has intentionally misrepresented a material fact in applying for a permit;*

*(b) Has been convicted of a felony or other crime involving moral turpitude;*

*(c) Has habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage;*

*(d) Has had any permit revoked under the environmental laws of any state or the United States; or*

*(e) Has otherwise demonstrated through clear and convincing evidence of previous actions that the applicant lacks the necessary good character and competency to reliably carry out the obligations imposed by law upon the permit holder; or*

*(2) The application substantially duplicates an application by the same applicant denied within the past five years which denial has not been reversed by a court of competent jurisdiction. Nothing in this subdivision may be construed to prohibit an applicant from submitting a new application for a permit previously denied, if the new application represents a good faith attempt by the applicant to correct the deficiencies that served as the basis for the denial in the original application.*

*All applications filed pursuant to Titles 34A and 45 shall include a certification, sworn to under oath and signed by the applicant, that he is not disqualified by reason of this section from obtaining a permit. In the absence of evidence to the contrary, that certification shall constitute a prima facie showing of the suitability and qualification of the applicant. If at any point in the application review, recommendation or hearing process, the secretary finds the applicant has intentionally made any material misrepresentation of fact in regard to this certification, consideration of the application may be suspended and the application may be rejected as provided for under this section.*

*Applications rejected pursuant to this section constitute final agency action upon that application and may be appealed to circuit court as provided for under chapter 1-26."*

Pursuant to SDCL 1-40-27, I certify that I have read the forgoing provision of state law, and that I am not disqualified by reason of that provision from obtaining the permit for which application has been made.

Dated this 20th, day of July, 20 05

*[Signature]*

Applicant (signature)

Subscribed and sworn before me this:

Dated this 20th, day of July, 20 05

*[Signature]*

Notary Public (signature)

My commission expires:

January 31, 2010



(SEAL)

**PLEASE ATTACH SHEET DISCLOSING ALL FACTS PERTAINING TO**

**SDCL 1-40-27 (1) (a) THROUGH (e).**

**ALL VIOLATIONS MUST BE DISCLOSED, BUT WILL NOT  
AUTOMATICALLY RESULT IN THE REJECTION OF AN APPLICATION.**



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 13
2. Manufacturer: TBD Manufacture date:
3. Model number: TBD
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Emergency Reclaim Hopper

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content <span style="border: 1px solid black; padding: 2px;"></span> Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content <span style="border: 1px solid black; padding: 2px;"></span> Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content <span style="border: 1px solid black; padding: 2px;"></span> Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content <span style="border: 1px solid black; padding: 2px;"></span> Weight percent
<input type="checkbox"/>	Other (please specify) <span style="border: 1px solid black; padding: 2px;"></span>		

7. Has a stack test been conducted (check appropriate box)?  Yes X No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="69,950.28"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,585.99"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="26"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="2.20"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second





## Air Quality Permit Application

### Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and processes served by this baghouse (please list all equipment and processes):

#### Equipment and Processes

1.	Unit 13: Emergency Reclaim Hopper
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf	%	
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="border: 1px solid black; padding: 2px;"> </span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				

Bag changing dependent on application and grain loading.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	694,950.28	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,585.99	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	26	feet	or		meters
Exit Stack Diameter	2.20	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	14		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

New Baghouse for Coal Silos #1, 2, and 3 (Load in)

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content _____ Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content _____ Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	694,869.15	meters
Y- Coordinate or Northing:		feet	5,019,437.52	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	211.00	feet		meters
Exit Stack Diameter	3.60	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 14: Coal Silos 1,2,3 (load in)
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> X	<input type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker <input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)

Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):

Bag changing dependent on application and grain loading.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	694,869.15	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,437.52	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	211.00	feet	or		meters
Exit Stack Diameter	3.60	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	15		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

New Baghouse for Coal Silos #1, 2, and 3 (Load out)

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content	<input type="checkbox"/>	Weight percent
		<input type="checkbox"/>	Coal ash content
		<input type="checkbox"/>	Weight percent
<input type="checkbox"/>	Other (please specify) <span style="background-color: #f0f0f0; display: inline-block; width: 400px; height: 1.2em; vertical-align: middle;"></span>		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	694,902.73	meters
Y- Coordinate or Northing:		feet	5,019,462.67	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	21	feet		meters
Exit Stack Diameter	2.80	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second





## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 15: Coal Silos 1,2,3 (load out)
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	694,902.73	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,462.67	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	21.00	feet	or		meters
Exit Stack Diameter	2.80	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	16		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Limestone Reclaim Conveyor

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 500px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,060.81"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,365.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="90.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="2.10"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 16: Limestone Reclaim Conveyor
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="border: 1px solid black; padding: 2px 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)

Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):

Bag changing dependent on application and grain loading.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,060.81	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,365.00	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	90.00	feet	or		meters
Exit Stack Diameter	2.10	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	17		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Limestone Receiving Hopper

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	Sulfur content	<input type="text"/> Weight percent
<input type="checkbox"/>	Residual oil	Sulfur content	<input type="text"/> Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content	<input type="text"/> Weight percent	Coal ash content
			<input type="text"/> Weight percent
<input type="checkbox"/>	Other (please specify) <span style="background-color: #f2f2f2; border: 1px solid black; display: inline-block; width: 400px; height: 1.2em; vertical-align: middle;"></span>		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	695,101.84	meters
Y- Coordinate or Northing:		feet	5,019,353.93	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	21.00	feet		meters
Exit Stack Diameter	1.90	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second





## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 17: Limestone Receiving Hopper
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #e0e0e0; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,101.84	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,353.93	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	21.00	feet	or		meters
Exit Stack Diameter	1.90	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	18		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Plant Transfer/Silo Fill System

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content _____ Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content _____ Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test: \_\_\_\_\_

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	695,196.00	meters
Y- Coordinate or Northing:		feet	5,019,465.41	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	199.00	feet		meters
Exit Stack Diameter	5.10	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: 57.93 feet per second meters per second

and/or

Flow Rate: 71,000.00 actual cubic feet per minute actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 18: Plant Transfer/Silo Fill System
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)

Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):

Bag changing dependent on application and grain loading.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="695,196.00"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,465.41"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="199.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="5.10"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	19		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Fly ash silo bin vent

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content _____ Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content _____ Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test: \_\_\_\_\_

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,089.92"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,442.77"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="126"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.9"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second





## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 19: Fly ash silo bin vent
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,089.92	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,442.77	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	126.00	feet	or		meters
Exit Stack Diameter	1.9	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	20		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Limestone Day Bin #1

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 500px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,070.38"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,365.59"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="100.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.0"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 20: Limestone Day Bin #1
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,070.38	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,365.59	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	100.00	feet	or		meters
Exit Stack Diameter	1.0	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	21		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Limestone Day Bin #2

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 500px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,077.19"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,372.58"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="100.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.0"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second





## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 21: Limestone Day Bin #2
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,077.19	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,372.58	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	100.00	feet	or		meters
Exit Stack Diameter	1.0	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	22		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Transfer from Existing Conveyor 2 to New Silo Feed Conveyor

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 400px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	694,928.07	meters
Y- Coordinate or Northing:		feet	5,019,649.82	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	26.00	feet		meters
Exit Stack Diameter	1.80	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 22: Transfer from Existing Conveyor 2 to New Silo Feed Conveyor
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="border: 1px solid black; padding: 2px 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)

Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):

Bag changing dependent on application and grain loading.

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="694,928.07"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,649.82"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="26.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.80"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	23		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
New Crusher House			

5. Maximum designed operating rate (name plate):

	million Btus per hour heat input
or	horsepower
or	kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 500px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	695,045.42	meters
Y- Coordinate or Northing:		feet	5,019,621.48	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:	26.00	feet		meters
Exit Stack Diameter	3.30	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: 58.46 feet per second meters per second

and/or

Flow Rate: 30,000.00 actual cubic feet per minute actual cubic meters per second





## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 23: Crusher House
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>		feet	or	695,045.42	meters
Y- Coordinate or Northing: <sup>1</sup>		feet	or	5,019,621.48	meters
Base Elevation of Stack: <sup>1</sup>	1,124	feet	or		meters
Stack Height:	26.00	feet	or		meters
Exit Stack Diameter	3.30	feet	or		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Boiler Turbine or Furnace

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	24		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Coal Fired Boiler

5. Maximum designed operating rate (name plate):

6,000.00	million Btus per hour heat input	
or	horsepower with boiler efficiency:	
or	kilowatts with boiler efficiency:	

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input checked="" type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> 0.80	Weight percent
Coal ash content <input type="text"/> 9.0	Weight percent
<input type="checkbox"/> Other (please specify)	<input type="text"/>

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse, wet flue gas desulfurization, selective catalytic reduction

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	<input type="text" value="695,018.58"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	<input type="text" value="5,019,452.50"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="498"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="34.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="131"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 24: Boiler #2
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?		%	
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="695,018.58"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,452.50"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="498"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="34.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="131"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application

### Wet Scrubber Data Sheet

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and processes served by this wet scrubber (please list all equipment and processes):

#### Equipment and Processes

1.	Unit 24: Boiler #2 FGD (Flue Gas Desulfurization)
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	TBD	%	
Type of wet scrubber (please check one)?	TBD		
<input type="checkbox"/> Venturi	<input type="checkbox"/> Demister	<input type="checkbox"/> Other (specify)	
Scrubbing Additives?	TBD		

#### Wet Scrubber Operation and Maintenance:

Pressure drop across wet scrubber?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	TBD	Fahrenheit (minimum)	TBD	Fahrenheit (maximum)
Outlet Temperature?	TBD	Fahrenheit (minimum)	TBD	Fahrenheit (maximum)
Water recycled (check one)?	<input type="checkbox"/> TBD	Yes	<input type="checkbox"/> TBD	No
If yes, number of pond(s):	TBD	Pond size:	TBD	Type of liner:
TBD				

If no, describe type of treatment and location of any planned water discharge from the property:

TBD
-----

Describe maintenance of wet scrubber (visual inspection, how often ponds are cleaned, etc.)

TBD
-----

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="695,018.58"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,452.50"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="498"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="34.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="131"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.





## Air Quality Permit Application Form

### Miscellaneous Control Device

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

**Describe the miscellaneous control device and how it works:**

Coal Fired-Boiler using subbituminous pulverized coal to generate steam to power to a 600 MW steam powered generator.

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 24: Boiler #2 SCR (Selective Catalytic Reduction)
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?			%

#### Miscellaneous Control Device Operation and Maintenance:

Pressure drop across control unit?	4	Inches water (minimum)	5	inches water (maximum)
Inlet Temperature?	675	Fahrenheit (minimum)	725	Fahrenheit (maximum)
Outlet Temperature?	125	Fahrenheit (minimum)	137	Fahrenheit (maximum)

Describe maintenance of control unit (use of visual inspections, maintenance schedule, etc.):

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="695,018.58"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,452.50"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="498"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="34.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="131"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



## Air Quality Permit Application Form

### Miscellaneous Process

This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	25		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

New Fire Pump

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or	525	horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas		Propane
<input checked="" type="checkbox"/>	Distillate oil	Sulfur content	0.05
			Weight percent
<input type="checkbox"/>	Residual oil	Sulfur content	
			Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
		<input type="checkbox"/>	Lignite Coal
	Coal sulfur content		Weight percent
		Coal ash content	
			Weight percent
<input type="checkbox"/>	Other (please specify) <span style="background-color: #f2f2f2; display: inline-block; width: 400px; height: 1.2em; vertical-align: middle;"></span>		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="694,333.34"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,020,100.28"/>	meters
Base Elevation of Stack:	<input type="text" value="1,126"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="25.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="0.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="900.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	26		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

New Diesel Generator

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or	1,500	kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas		Propane
<input checked="" type="checkbox"/>	Distillate oil	Sulfur content	0.05
<input type="checkbox"/>	Residual oil	Sulfur content	
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
		<input type="checkbox"/>	Lignite Coal
	Coal sulfur content		Weight percent
		Coal ash content	
			Weight percent
<input type="checkbox"/>	Other (please specify) <span style="background-color: #f2f2f2; display: inline-block; width: 400px; height: 1.2em; vertical-align: middle;"></span>		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,158.74"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,509.63"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="15.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="900.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	27		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
Cooling Tower (18 Cells)			

5. Maximum designed operating rate (name plate):	
312,540.00 gpm	million Btus per hour heat input
or	horsepower
or	kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content      Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content      Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
		<input type="checkbox"/>	Lignite Coal
	Coal sulfur content	<input type="checkbox"/>	Weight percent
		<input type="checkbox"/>	Coal ash content
		<input type="checkbox"/>	Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)?      ☐      Yes      ☒      No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

0.0005% drift eliminators

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="See below"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="See below"/>	meters
Base Elevation of Stack:	<input type="text" value="1,135 (per cell)"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="47.00 (per cell)"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="33.00 (per cell)"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="61.00 (per cell)"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

Cooling Tower's X/Y Coordinates (in UTM meters)

X	Y
694231.20	5019005.15
694241.15	5018994.78
694251.45	5018984.26
694261.18	5018973.37
694271.65	5018962.77
694281.75	5018952.19
694292.31	5018941.35
694301.94	5018930.71
694311.72	5018920.43
694194.87	5019156.33
694204.68	5019146.01
694214.61	5019135.31
694224.84	5019124.55
694234.80	5019113.90
694245.00	5019103.09
694255.34	5019092.59
694265.04	5019082.01
694275.39	5019071.54





## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	28		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Unit 2 fly ash loading to trucks (dry)

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content	<input type="checkbox"/>	Weight percent
		<input type="checkbox"/>	Coal ash content
		<input type="checkbox"/>	Weight percent
<input type="checkbox"/>	Other (please specify) <span style="background-color: #f2f2f2; display: inline-block; width: 400px; height: 1.2em; vertical-align: middle;"></span>		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="695,090.66"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="5,019,445.08"/>	meters
Base Elevation of Stack:	<input type="text" value="1,124"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

Modeled as a volume source with a Release Height of 35 feet.



## Air Quality Permit Application Form

### Miscellaneous Process

**This form is to be submitted, if necessary, along with  
the Title V (Part 70) Operating Permit or Minor Operating Permit.  
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Unit 29		
2. Manufacturer:	TBD	Manufacture date:	
3. Model number:	TBD		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Limestone stackout conveyor

5. Maximum designed operating rate (name plate):

		million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content _____ Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content _____ Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ X No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test: \_\_\_\_\_

**Control Equipment:** If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Baghouse

**Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.**

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	695,009.90	meters
Y- Coordinate or Northing:		feet	5,019,321.05	meters
Base Elevation of Stack:	1,124.00	feet		meters
Stack Height:	63.00	feet		meters
Exit Stack Diameter	1.10	feet		meters
Exit Stack Temperature	Ambient	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: 52.61 feet per second meters per second

and/or

Flow Rate: 3,000 actual cubic feet per minute actual cubic meters per second



## Air Quality Permit Application

### Baghouse

**This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.**

(please complete shaded areas)

**Equipment and processes served by this baghouse (please list all equipment and processes):**

#### Equipment and Processes

1.	Unit 29: Limestone stackout conveyor
2.	
3.	
4.	
5.	

#### Manufacturer Information:

Manufacturer?	TBD		
Manufacturer date?	TBD	Installation date?	Spring 2007
Manufacturer's designed control efficiency?	0.01 gr/dscf		%
Type of baghouse (please check one)?			
<input type="checkbox"/> Reverse Air	<input checked="" type="checkbox"/> Pulse Jet	<input type="checkbox"/> Shaker	<input type="checkbox"/> Other (specify) <span style="background-color: #f2f2f2; padding: 0 20px;"></span>
Type of bags?	TBD		
Number of bags?	TBD	Air/cloth ratio?	TBD

#### Baghouse Operation and Maintenance:

Pressure drop across baghouse?	TBD	inches water (minimum)	TBD	inches water (maximum)
Inlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Outlet Temperature?	Ambient	Fahrenheit (minimum)	Ambient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):				
Bag changing dependent on application and grain loading.				

**Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="695,009.90"/>	meters
Y- Coordinate or Northing: <sup>1</sup>	<input type="text"/>	feet	or	<input type="text" value="5,019,321.05"/>	meters
Base Elevation of Stack: <sup>1</sup>	<input type="text" value="1,124"/>	feet	or	<input type="text"/>	meters
Stack Height:	<input type="text" value="34.00"/>	feet	or	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.10"/>	feet	or	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="Ambient"/>	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity:  feet per second  meters per second

**and/or**

Flow Rate:  actual cubic feet per minute  actual cubic meters per second

<sup>1</sup> - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.